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draft updated 12/9/02

Abbreviated List - Studies Cited by NRDC in Support of Farmkids Petition and Objections to Tolerances & Other Exposure Studies

Author/Publication	Cited in NRDC Farmkids Petition?	Cited in Objections to Tolerances	Do We have copy of the study?	EPA Comments
Alavanja M, Sandler D, McMaster, et al.. The Agricultural Health Study. Env Health Persp 1996; 104:362-369.	X		X	Overview of project
Baker L, Fitzell D, Seiber J, Parker T, al. e. Ambient air concentrations of pesticides in California. Environ Sci Technol 1996; 30:13651368.	X		X	Concentrations of airborne pesticides (ppb levels) measured in the vicinity of agricultural areas should be representative of other areas. Preliminary assessments conducted by Cal-DPR suggest no acute or chronic concerns except for fumingants (methyl bromide, dichloropropene and metam sodium.
Bearer C. How are children different from adults? Environ Hlth Persp 1995; 103:712.	X		X	General information
Blair A, White DW. Leukemia cell types and agricultural practices in Nebraska. Arch Environ Health 1985; 40:211-4.		X		Based on mortality records (1957-74), elevated odds ration for chronic lymphatic leukemia. Old chemical use. Jerry/Victor
Blair A. Herbicides and non-Hodgkin's lymphoma: new evidence from a study of		X		Applicators (herbicide and fuel use) independently associated w/ non-

Saskatchewan farmers. J Natl Cancer Inst 1990; 82:544-5.				Hodgkins Leukemia. Old chemical use. Jerry/Victor
Blair A, Grauman DJ, Lubin JH, Fraumeni JF, Jr. Lung cancer and other causes of death among licensed pesticide applicators. J Natl Cancer Inst 1983; 71:31-7.		X		Jerry/Victor
Blondell, J. Review of "Health Study of Ohio and Florida Migrant Farm workers by Moses, et. al. Memorandum to Carol Parker, FEAD/OPP December 1, 2000			X	Recommendation - try to establish doses based on urine concentrations reported in Moses et al.
Bradman M, Harnly M, Draper W, Seidel S, al. e. Pesticide exposures to children from California's Central Valley: results of a pilot study. J Expos Anal. Environ Epi 1997; 7:217-234.	X		X	Soil/housedust, hand wipe measurements. no internal measurements
Brock J, Melnyk L, Caudill S, Needham L, Bond A. Serum levels of several organochlorine pesticides in farmers correspond with dietary exposure and local use history. Toxicol Ind Health 1998; 14:275-289.	X		X	Farmers continue to be exposed to organochlorines (not surprising given the lipophilic nature and strong persistence of these compounds. Correlated w/ dietary exposure. A local food issue although moot since we have banned these pesticides.
Buckley T, Liddle J, Ashley D, Paschal D, al. e. Environmental and biomarker measurements in nine homes in the Lower Rio Grande Valley: multimedia results for pesticides, metals, PAHs, and VOCs. Environ Intl 1997; 23:705-732.	X		X(first two pages)	2 of 12 nonpersistent pesticides (4-nitro phenol and 2,4-D) were observed in the study subjects. Need rest of paper.
Buckley JD, Buckley CM, Ruccione K, et al. Epidemiological characteristics of childhood acute lymphocytic leukemia. Analysis by	X		X	Jerry or Beth should handle this one.

immunophenotype. The Childrens Cancer Group. Leukemia 1994; 8:856-64.				
Butterfield PG, Valanis BG, Spencer PS, Lindeman CA, ed JG. Environmental antecedents of young-onset Parkinson's disease. Neurology 1993; 43:1150-8.	X		X	Beth
Byrne, Sandra L., Shurdut, Bradley, A., and Saunders, Donald G., Potential Chlorphyrifos Exposure to Residents Following Standard Crack and Crevice Treatment, Environmental Health Perspectives, Volume 106, Number 11, November 1998			X	Indoor residential exposure. Used in chlorpyrifos RED.
Calabrese EJ, Stanek EJ. What proportion of household dust is derived from outdoor soil? J Soil Contam 1992; 1:253-263.	X		X	Medians of ~16 to 36 mg/day for dust ingestion. Note: Other biological monitoring studies are showing poor correlation with this type of sample and urinary metabolites. (E.g., Fenske).
California, Department of Health Services, Hazards of Indoor-Use Insecticides Under Investigation. Berkeley, CA 1987			?	
California Environmental Protection Agency, Chemicals Known to the State to Cause Cancer or Reproductive Toxicity. Sacramento, CA 1998.			X	
California -University of California, Dermal Exposure to Carbaryl by Strawberry Harvesters, 1982 (Page 124 of Volume 2 of the Pesticide Hazard Assessment Project, 1980-			X	

1986)				
California - University of California, Pesticide Exposure to Strawberry Pickers, 1981, (P. 10 of Volume 2 of the Pesticide Hazard Assessment Project 1980-1986)			X	
California - University of California, Dermal Exposure to Vinclozolin by Strawberry Harvesters 1982, (P. 168 of Volume 2 of the Pesticide Hazard Assessment Project, 1980-1986)			X	
California - University of California, Simultaneous Dermal Exposure to Captan and Benomyl by Strawberry Harvesters 1983, (P. 214 of Volume 2 of the Pesticide Hazard Assessment Project, 1980-1986)			X	
California - University of California, The Relationship Between Dermal Pesticide Exposure by Fruit Harvesters and Dislodgeable Foliar Residues 1981-1983, (P. 240 of Volume 2 of the Pesticide Hazard Assessment Project, 1980-1986).			X	
California - University of California - Pesticide Exposure of Harvesters of Blueberries, Blackberries, and Raspberries 1985 (P. 475 of Volume 2 of the Pesticide Hazard Assessment Project, 1980-1986).			X	
Camann, David E., Geno, Paul W., Harding, Jac H., Giardino, Nicholas J.,and Bond, Andrew, Measurements to Assess Exposure of the Farmer and Family to Agricultural Pesticides, (Proceedings of the 1993 US			X	Methods paper

EPA/A&WMA International Symposium, Measurement of Toxics and Related Air Pollutants. (1993)				
Camann DE, Akland GG, Buckley JD, Bond AE, Mage DT. Carpet dust and pesticide exposure of farm children, Intl Soc Exp Anal Ann Mtg, Research Triangle Park, NC, November 5, 1997, 1997.	X			
Camann D, Harding H, Lewis R. Trapping of particle-associated pesticides in indoor air by polyurethane foam and exploration of soil track-in as a pesticide source, Indoor Air '90: Proc 5th Intl Conf on Indoor Air Quality and Climate, Toronto, 1990. Vol. 2.	X		X	Control of track-in may mitigate potential exposure to pesticides. Compared filtered and unfiltered PUF plugs used for trapping airborne concentrations of pesticides. (ppt)
Camann DE, Harding HJ, Geno PW. Relationship among drag sled, PUF roller, and hand press transfer of pesticide residues from floors, Measurement of Toxic Air Pollutants, Proceedings of US EPA/ADWMA International Conference, Durham, North Carolina, 1994.	X		X	Methodology paper. Part of Issues re: Residential SOPs paper taken to SAP.
Camann DE, Geno PW, Harding HJ, Giardino NJ. Measurements to assess exposure of the farmer and family to agricultural pesticides, Meas Toxic Rel Air Pollut, Pittsburgh, PA, 1993. Vol. 34. A&WMA Assn	X		X	Pilot to Ag Health study. Assessed expo of mixer/loader applicator activities. Children's hand wipe suggest levels in nanograms. Several orders of magnitude lower than the person performing the m/l/a activities.
Camann D, Geno P, Harding H, Giardino N, Bond A, al. e. A pilot study of pesticides in indoor air in relation to agricultural	X		X	Indoor air measurements (ppt) were compared among urban and rural homes. Urban homes had higher

applications. Proc Indoor Air 1993; 2:207-212.				concentrations of Chlorpyrifos and other household products. Substantiates track in occurs.
Camann DE, Harding HJ, Clothier JM, Kuchibhatla RV, Bond AE. Dermal and in-home exposure of the farm family to agricultural pesticides. Measurement of Toxic and Related Air Pollutants 1995; VIP-50:548-554.	X		X	Part of AG Health Study. Hand wipes of applicators and household members. Non-applicator household members had levels of pesticides on their hands. So did the sink for handwashing, washing machine etc. No urinary measurements.
Camann DE, Majumdar TK, Harding HJ, Ellenson WD, Lewis RG . Transfer efficiency of pesticides from carpet to saliva-moistened hands. Measurements of Toxic and Related Air Pollutants 1996; VIP-64:532-540.	X		X	Already used in Residential SOPs.
Camann DE, Buckley JD. Carpet dust: an indicator of exposure at home to pesticides, PAHs, and tobacco smoke, ISEE/ISEA Joint Annual Conference, Research Triangle Park, NC, September 1994, 1994.	X			Early carpet dust measurements. Some previously reported in NOPES.
Castorina, Rosemary, Bradman, Asa, KcKone, Tom, Barr, Dana, Eskenazi, Brenda, Approaches to Assessing Cumulative OP Pesticide Exposure and Risk among Pregnant Women Living in the Salinas Valley, CA Presented at EPA Science Forum 2002: Meeting the Challenges, May 1, 2, 2002 (Also contains numerous other studies presented during this forum. Filed under Science Forum)			X	Preliminary OP cumulative risk assessment on Chamacos data (Salinas Valley).
Colt J, Zahm S, Camann D, Hartge P.	X		X	House dust sample collection

Comparison of pesticides and other compounds in carpet dust samples collected from used vacuum cleaner bags and from high volume surface samplers. Environ Hlth Persp 1998; (In press).				methodology.
Dacquel L, Dahmann D., Residents of Farms and Rural Areas, 1991. Washington, DC: Bureau of the Census, 1993	X		X	Jerry B. subpopulation
Daniels J. L, Olshan AF, Savitz DA. Pesticides and childhood cancers. Environ Health Perspect 1997; 105:1068-77.	X		X	Jerry B.
Davis JR, Brownson RC, Garcia R. Family pesticide use in the home, garden, orchard, and yard. Arch Environ Contam Toxicol 1992; 22:260-6.	X		X	Survey data collected in conjunction with a case-control epi study looking at family pesticide use and childhood cancer. Davis 1991. Should look further. Otherwise, newer home surveys are available although proprietary (REJV).
Davies K, Wiles R. Toxic Farm Fumigants Drifting Into California Neighborhoods. Washington DC: Environmental Working Group, 1996.	X			Note: we have for many years performed risk assessments to assess bystander exposure to fumigants.
EPA, Lower Rio Grande Valley Environmental Monitoring Study: Report to the Community on the Pilot Project, June 1994			X	
EPA/ Guidance for Reporting PHED Exposure Evaluations, Prepared for USEPA and Health Canada by Versar, Inc., February 23, 1995.			X	Guidance document
Easley C, Laughlin J, Gold R, Schmidt K.	X		X	Similar to Finley and Metcalf.

Detergents and water temperature as factors in methyl parathion removal from denim fabrics. Bull Environ Contam Toxicol 1982; 28:239-244.				Common sense hygiene.
Easley, Laughlin, Gold, Laundering Pesticide Contaminated Clothing, Home Economics NEBGuide, Cooperative Extension Service, University of Nebraska, Revised August 1984			X	Common sense hygiene.
Eskenazi, Brenda, Bradman, Asa, and Castorina, Rosemary, Exposures of Children to Organophosphates and their Potential Adverse Health Effects, Environmental Health Perspectives, Vol. 107, Supplement 3, June 1997?9			X	Literature review of effects of OPs on neurobehavorial functions in developing animals. Yes, children may be more vulnerable, no, risk assessment based on these animal studies cannot predict adverse health effects for children. No currently available data to support or refute adverse effects from chronic expo to low levels of pesticides.
EPA US. Lower Rio Grande Valley Environmental Monitoring Study: Report to the Community on the Pilot Project. Washington DC: U.S. Environmental Protection Agency, 1994.	X		X	
EPA US. Environmental Health Threats to Children. Washington DC: U.S. EPA, 1996.	X		X	
Fear NT, Roman E, Reeves G, Pannett B. Childhood cancer and paternal employment in agriculture: the role of pesticides. Br J Cancer 1998; 77:825-9.				Children on occupational users: cancer rates during 1959 - 1999 in England. Only kidney cancer was significant but is inconclusive. More work is needed. Jerry B.
Fenske, R.A., C. Lu, N.J.Simcox, C.			X	Compared Seattle children to farm

Loewenherz, J. Touchstone, T.F. Moate, E.H. Allen, and J.C. Kissel. 2000. Strategies for assessing children's organophosphorus pesticide exposures in agricultural communities. J Expo Anal Environ Epidemiol. 10(6Pt 2):662-71.				children discussed in Simcox (1995) Bio levels for ag and non-ag children very similar. Even though farm children have the potential for more routes of exposure, they are not more highly exposed.
Fenske, Richard A., Lu, Chensheng, Determination of handwash removal efficiency: incomplete removal of the pesticide, chlorpyrifos, from skin by standard handwash techniques. (In Press) American Industrial Hygiene Association Journal (1994?date)			X	Reports low removal efficiency of low level, short duration pesticide exposures to hands. Used in our Residential SOP to support 50% removal efficiency of pesticides from hands while mouthing (young children).
Fenske, Richard A., Kissel, John C., et. al, Biologically Based Pesticide Dose Estimates for Children in an Agricultural Community, Environmental Health Perspectives, Volume 108, Number 6, June 2000.			X	Method paper to predict dose from uninary concentrations reported by Lowenhertz et al., 1997. Significant differences in median when comparing Ag children and Reference children (Ag children = applicator and fieldworker children) The range of doses predicted for Reference children was higher than farmworker children. Applicator children had the highest doses (may have been influenced by misuse). No sign. difference in sup pop vs. ref pop. Ref pop and Ag pop had cohorts exceeding RfD. Metabolies found in urine may represent expo to the breakdown products rather than the parent compound.

Fenske, Richard A., Teschke, K., Study Design Considerations for Occupational Pesticide Exposure Assessment, (In Press) Proceedings of Workshop on Methods of Pesticide Exposure Assessment. (?date)				
Fenske, R.a., C. Lu, D. Barr, and L. Needham. 2002. Childrens exposure to chlorpyrifos and parathion in an agricultural community in central Washington State. Environ Hlth Perspect 110 (5):549-553.				Similar WA state cohort. Looked at environmental and biological measurements. Environmental measurements could no the biological levels. Garden use of pesticides resulted in increase of TCPy (chlorpyrifos metabolite). Ag. children only marginally different than reference pop.
Fenske RA. Pesticide exposure assessment of workers and their families. Occup Med 1997; 12:221-37.		X		Victor
Fiedler N, Kipen H, Kelly-McNeil K, Fenske R. Long-term use of organophosphates and neuropsychological performance. Am J Ind Med 1997; 32:487-96.		X		"Long-term use of OPs w/o evidence of an acute poisoning episode appears to produce at most, subtle changes in neuro psychological performance."
Finley E, Metcalfe G, McDermott F. Efficacy of home laundering in removal of DDT, methyl parathion, and toxaphene residues from contaminated fabrics. Bull Environ Contam Tox 1974; 12:268-274.	X		X	Addresses efficacy of home laundering. Substantiates importance of good hygiene. Question representativeness of fabric swatches saturated w/ spray solution and more typical soil bound residues in farmworker clothing. Also concentrations.

Foster D, Kramer F. AP probes U.S. secret child labor. Associated Press. New York, December 14, 1997.				
Garry V, Schreinemachers D, Harkins M, Griffith J. Pesticide appliers, biocides, and birth defects in rural Minnesota. Environ Hlth Persp 1996; 104:394-399.	X	X	X(?)	Jerry
Glotfelty D, Seiber J, Liljedahl L. Pesticides in fog. Nature 1987; 325:602-605.	X		X	
Goldman LR. Chemicals and children's environment: what we don't know about risks. Environ Health Perspect 1998; 106:875-80.	X		X	Policy and proposals for SAPs.
Gorden, Syndey M., Callahan, P.J., Nishioka, M.G., Brinkman, M.C., O'Rourke, M.K., Lebowitz, M.D., and Moschandreas, D.J., Residential environmental measurements in the National Human Exposure Assessment Survey (NHEXAS) pilot study in Arizona: preliminary results for pesticides and VOCs., Journal of Exposure Analysis and Environmental Epidemiology, (1999) 9, 456-470			X	NOPES Jacksonville cohorts (non-ag) had higher median dust samples than Simcox et al. 1995 (Ag). Poofr correlation between house dust and foundation and yard soil. Local food may be an issue.
Gorell JM, Johnson CC, Rybicki BA, Peterson EL, Richardson RJ. The risk of Parkinson's disease with exposure to pesticides, farming, well water, and rural living. Neurology 1998; 50:1346-50.	X		X	
Guillette EA, Meza MM, Aquilar MG, Soto	X		X	No modern pesticides were

AD, Garcia IE. An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico. Environ Health Perspect 1998; 106:347-53.				measured in children. Only DDT era. Conclusions remain speculative. Cognitive tests were not standard.
Guillette LJ, Jr., Gross TS, Masson GR, Matter JM, Percival HF, Woodward AR. Developmental abnormalities of the gonad and abnormal sex hormone concentrations in juvenile alligators from contaminated and control lakes in Florida. Environ Health Perspect 1994; 102:680-8.			X	Results support hypothesis expo results in altered embryonic sexual development. However, more study is needed.
Higgens, G.M., J.F. Munz and L.A. McCauley. 2001. Monitoring acetylcholinesterase levels in migrant agricultural workers and their children using a portable test kit. J Agric Saf Hlth7(1):35-49.			X	Used EQM Test-mate kit to measure cholinesterase levels in migrant farm worker children (n-98) and a comparison group of age matched children (n-58). No significant difference between the groups.
Hill R, Head S, Baker S, Gregg M, Shealy D, al. e. Pesticide residues in urine of adults living in the United States: reference range concentrations. Environ Res 1995; 71:99108.	X		X	NHANES Urinary metabolite data. Ranges presented for various chemicals.
Hill R, To T, Holler J, Fast D, al. e. Residues of chlorinated phenols and phenoxy acid herbicides in the urine of Arkansas children. Arch Environ Contam Toxicol 1989; 18:469-474.	X		X	Read
Human Rights Watch, Fingers to the Bone, The United States Failure to Protect Child			X	

Farm workers, June 2000				
International Life Sciences Institute, Similarities and Differences Between Children and Adults: Implications for Risk Assessment, L. Plunkett, D. Turnbull, D. Phil, and J. Rodricks, pp. 79-94			X	
Iowa - University of Iowa, Study of Pesticide Exposure of Child and Adult Blueberry Harvesters in Southwestern Michigan in July 1982 (p. 660 of Volume 1 of the Pesticide Hazard Assessment Project 1980-1986)			X	Read Y in Ag
Iowa - University of Iowa, Farm worker Safety in Apple Orchards at Sturgeon Bay, Wisconsin 1981 (p. 888 of Volume 1 of the Pesticide Hazard Assessment Project 1980-1986)			X	
Iowa - University of Iowa, Reentry Simulation Study, Phase I and Phase II, (P. 274 of Volume 2 of the Pesticide Hazard Assessment Project 1980-1986.)			X	
Iwata, Yutaka, Knaak, James B., et. al., Fruit Residue Data and Worker Rentry Research for Chlorthiophos Applied to California Citrus Trees, J. Agric. Food Chem., 1982, 30, 215-222			X	Seminal TC work.
Juberg, D.R. Alfano, K. Coughlin, R.J., and Kimberly Thompson., An Observational Study of Object Mouthing Behavior by Young Children, Pediatrics, Vol. 107 No. 1 January 2001		X	X	Discussed in residential sop issued document taken to SAP. Mouthing exposure factors based on SAP comments.
Kohn, Michael C., Strategies for Computer Modeling, Bulletin of Mathematical Biology,			X	

Vol. 48, No3/4, pp. 417-426 (1986)				
Kristensen P, Andersen A, Irgens LM, Bye AS, Sundheim L. Cancer in offspring of parents engaged in agricultural activities in Norway: incidence and risk factors in the farm environment. Int J Cancer 1996; 65:39-50.	X		X	
Laughlin J, Gold R. Laundering Pesticide Contaminated Clothing: University of Nebraska, Lincoln	X		X	Good hygiene.
Lin S, Marshall EG, Davidson GK. Potential parental exposure to pesticides and limb reduction defects. Scand J Work Environ Health 1994; 20:166-79.	X		X	"Those w/ limb and other defects had weak but consistent elevated risk and relation to parental occupational pesticide expo." The isolated cases of limb reduction were negatively related. Residents in farm community not associated w/ limb defect.
Litovitz TL, Smilkstein M, Felberg L, al. e. 1996 Annual Report of the American Association of Poison Control Centers Toxic Exposure Surveillance System. Am J Emerg Med 1997; 15:447-500.	X		X	
Loewenherz C, Fenske RA, Simcox NJ, Bellamy G, Kalman D. Biological monitoring of organophosphorus pesticide exposure among children of agricultural workers in central Washington State. Environ Health Perspect 1997; 105:1344-53.	X	X	X	Significant study. Farm children's mean urinary concentrations 2x higher than ref pop. However, misuse of pesticide (using AZM around house) may have influenced results. No correlation between house dust and urine concentrations. Children's exposure "could be

				viewed as relatively low when compared to agricultural workers"
Lowengart RA, Peters JM, Cicioni C, al. e. Childhood leukemia and parents' occupation and home exposures. J Natl Cancer Instit 1987; 79:39-46.	X		X	Overall workplace take home hypothesis for many industries and home gardening. An increase in risk of leukemia if parents exposed to household or garden pesticides. However the specific pesticides were not reported.
Lu C, Knutson DE, Fisker-Andersen J, Fenske RA. Biological monitoring survey of organophosphorus pesticide exposure among pre-school children in the Seattle metropolitan area. Environ Health Perspect 2001; 109:299-303.		X		Home garden use is a factor
Lu, C., and Richard Fenske, Air and Surface Chlorpyrifos Residues following Residential Broadcast and aerosol pesticide applications. Environmental Science and Technology, Vol._, No_. 3/20/98			X	Indoor residential exposure to chlorpyrifos. Mostly environmental measurements.
Lu C, Fenske RA, Simcox NJ, Kalman D. Pesticide exposure of children in an agricultural community: evidence of household proximity to farmland and take home exposure pathways. Environ Res 2000; 84:290-302.		X		Evaluated a larger cohort than Lowenhertz (1997) from same region Wenatchee, WA. Farmworker similar to reference pop. Applicator children marginally higher. Diet a likely contributor.
Mattison DR, Wohlleb J, To T, et al. Pesticide concentrations in Arkansas breast milk. J Ark Med Soc 1992; 88:553-7.	X		X	

Maizlish N, Rudolph L, Mervin K. The surveillance of work-related pesticide illness: an application of the Sentinal Event Notification System for Occupational Risks (SENSOR). Am J Pub Hlth 1995; 85:806-811.	X		X	
Melnyk LJ, Berry MR, Sheldon LS. Dietary exposure from pesticide application on farms in the Agricultural Health Pilot Study. J Expo Anal Environ Epidemiol 1997; 7:61-80.	X		X	Ag Health Study Pilot. Increased dietary exposure for pest applicators on farms. Includes pesticides currently being applied.
Mills, P.K. and S.H. Zahm. 2001. Organophosphate pesticide residues in urine of farmworkers and their children in Fresno County, California. Am J Ind Med 40(5):571-7.				Feasibility study to get urine samples from farmworkers and their children. (N 18 adults and 9 children) Although levels higher than NHANES II, it is not a fair comparison since NHANES was not conducted during same period (much higher OP uses after NHANES). Somewhat lower results that Lowenhertz (1997). No statistical analysis performed, thus inconclusive.
Mississippi State University, Dermal and Respiratory Exposure Studies of Adult and Juvenile Vegetable Harvesters and Field workers 1981 through 1984 (part of Volume I of the Pesticide Hazard Assessment Project 1980-1986) collection			X	Y in Ag
Mobed K, Gold EB, Schenker MB.,Occupational Health problems among migrant and seasonal farm workers. West J Med 1992 157:367-73	X			Historical w/ old data. Call for newer data. Jerry

Moses, M., Johnson, E., Anger, W.K., Burse, V.W., Horstman, S.W., Jackson, R.J., Lewis, R.G., Maddy, K.T., McConnell R., Meggs, W.J., Zahm, S.H. , Environmental Equity and pesticide exposure. Toxicology and Industrial Health, Vol. 9, No. 5, pp. 913-959	X			
Methyl parathion comes inside. Environ Hlth Persp 1997; 105:690-691.			X	
Moses, Marion, Maizlish, Neil, et. al., Health Study of Ohio and Florida Migrant Farm Workers, September 29, 2000			X	
Moses M., American Association of Occupational Health Nurses Journal 1989: 37:115128				
Moses M, Johnson ES, Anger WK, et al. Environmental equity and pesticide exposure. Toxicol Ind Health 1993; 9:913-59.				Research plan.
Moses M. Pesticide-related health problems and farmworkers Am Assn Occ Hlth Nurses J. 1989; 37:115128	X		X	Overview pre 1990s.
Munn, Susan, Keefe, Thomas, J., Savage, Eldon, P., A Comparative Study of Pesticide Exposures in Adults and Youth Migrant Field Workers, Archives of Environmental Health, July/August 1985 (no. 4)			X	Hand harvesting of onions in eastern Colorado. Adults had higher exposures than young workers (less than 16). Also reasserts findings of California data which indicate children have lower exposures due to reduced surface area
NIOSH. Report to Congress on Workers' Home Contamination Study Conducted Under	X		X	

The Workers' Family Protection Act (29 U.S.C. 671a). Cincinnati, OH: National Institute for Occupational Safety and Health, 1995. (Filed Separately)				
National Commission on Migrant Education: Invisible Children: A Portrait of Migrant Education in the United States - Final Report, September 23, 1992			X	
Nishioka MG, Lewis RG, Brinkman MC, Burkholder HM, Hines CE, Menkedick JR. Distribution of 2,4-D in air and on surfaces inside residences after lawn applications: comparing exposure estimates from various media for young children. Environ Health Perspect 2001 Nov;109(11):1185-91.				Identifies track-in pathways and notes importance of conducting biological monitoring as well as environmental measurements. Suggesting behavior has a lot to do with exposure. Note: subsequent research (e.g., Fenske) have difficulty linking these types of measurements and internal measurements of bio markers.
Nishioka M, Burkholder H, Brinkman M, Gordon S. Measuring transport of lawn-applied herbicide acids from turf to home: correlation of dislodgeable 2,4-D turf residues with carpet dust and carpet surface residues. Environ Sci Technol 1996; 30:3313-3320	X		X	
North Carolina (University)? Assessment of Dermal and Respiratory Exposure of Adult and Juvenile Tobacco Harvesters to Acephate, Duplin County, North Carolina (Part of the Volume 1 of the Pesticide Hazard Assessment Project 1980-1986 collection. 243)			copy missing from collection	
NRDC, et al. Petition for a Directive that the	X			NRDC

Agency Consistently Fulfill Its Duty to Retain the Child-Protective Tenfold Safety Factor Mandated by the Food Quality Protection Act, April 23, 1998.				
NRDC, et al. Petition for a Directive that the Agency Designate Farm Children As a Major Identifiable Subgroup and Population at Special Risk to be Protected under the Food Quality Protection Act, Oct. 22, 1998.	X			NRDC
NRDC. Putting Children First: Making Pesticide Levels in Food Safer for Infants and Children, April 1998.	X		X	NRDC
NRDC. Trouble on the Farm: Growing up with Pesticides in Agricultural Communities, October 1998.	X		X	NRDC
Needham L, Hill R, Ashley D, Pirkle J, Sampson E. The priority toxicant reference range study: interim report. Env Hlth Persp 1995; 103:89-94.	X		X	
Olden K. A Bad Start for Disadvantaged Children. Environ Hlth Persp 1996; 104:462-463.	X		X	
Ordin DL. Editorial: Surveillance for pesticide-related illness-lessons from California. Am J Pub Hlth 1995; 85:762-763.	X		X	
Osorio A, Beckman J, Geiser C, Husting E, al. e. California farm survey of occupational injuries and hazards. J Agric Safety Hlth 1998;	X			

1:99108.				
Pastore LM, Hertz-Picciotto I, Beaumont JJ. Risk of stillbirth from occupational and residential exposures. Occup Environ Med 1997; 54:511-8.	X		X	
Phillips, Linda J., A Comparison of Human Toxics Exposure and Environmental Contamination by Census Division, Arch. Environ. Contam. Toxicol. 22, 1-5 (1992)			X	
Phillips, L.J., and Birchard, G.F., Regional Variations in Human Toxics Exposure in the USA: An Analysis Based on the National Human Adipose Tissue Survey			X	
Phillips, Linda J., Fares, Robert J., and Schweer Gregory L., Distributions of Total Skin Surface Area to Body Weight Ratios for Use in Dermal Exposure Assessments., Journal of Exposure Analysis and Environmental Epidemiology, Vol. 3, No. 3, 1993.			X	Seminal work we use to look at working children for skin surface area to BW ratios.
Phillip's L., Memorandum to Jeff Dawson/EPA "Continuation of Task 3-1-90; Comparison of Postapplication Does to Adults and 12 Year Olds June 28, 1999 (Versar)			X	see Phillips 1993
Phillip's L., Memorandum to Jeff Dawson/EPA "Comparison of Adult and Child Transfer Coefficients and Doses June 21, 1999 (Versar)			X	see Phillips 1993
Plunkett L. Differences between adults and children affecting exposure assessment. In: Guzelian P, ed. Similarities And Differences Between Children and Adults: Implications for Risk Assessment. Washington DC:	X		X	

International Life Sciences Institute, 1992.				
Pogoda JM, Preston-Martin S. Household pesticides and risk of pediatric brain tumors. Environ Health Perspect 1997; 105:1214-20.	X		X	
Pollack S, McConnell R, Gallelli M, Schmidt J, Obregon R, Landrigan P. Pesticide exposure and working conditions among migrant farmworker children in western New York State, American Public Health Association Annual Meeting, 1990.	X			
Popendorf, William, Effects of Organophosphate Insecticide Residue Variability on Reentry Intervals, American Jorunal of Industrial Medicine, 18: 313-319 (1990)			X	Seminal work on ag TCs
Reed, Karyn J., Jimenez, M., Freeman, C.G., and Lioy, Paul J., Quantification of Children's Hand and Mouthing Activities Through a Videotaping Methodology, Joint Program in Exposure Assessment, Rutgers University and the University of Medicine and Dentistry of New Jersey...			X	Used in current SOPs for frequency of mouthing behaviors.
Reigart J. Pesticides and children. Ped Annals 1995; 24:663-668.	X		X	
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